

NAME: .....

### Cellular Neurobiology 2018-19

### Final Exam example

- Provide a brief definition of the following terms: (2x6p)

THERANOSTICS .....

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NISSL STAINING .....

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MORPHOLINO KNOCKDOWN .....

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DENDRO-DENDRITIC SYNAPSE .....

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VESICULAR TRANSPORTER .....

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FACS (Fluorescence-activated.....) .....

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• Answer to the following questions with a brief description (10 lines maximum) or by making a scheme:

1) Compare the features of classical and unconventional neurotransmitters (3p)

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2) How can we study mRNA sub-compartmentalization and transport? (4p)

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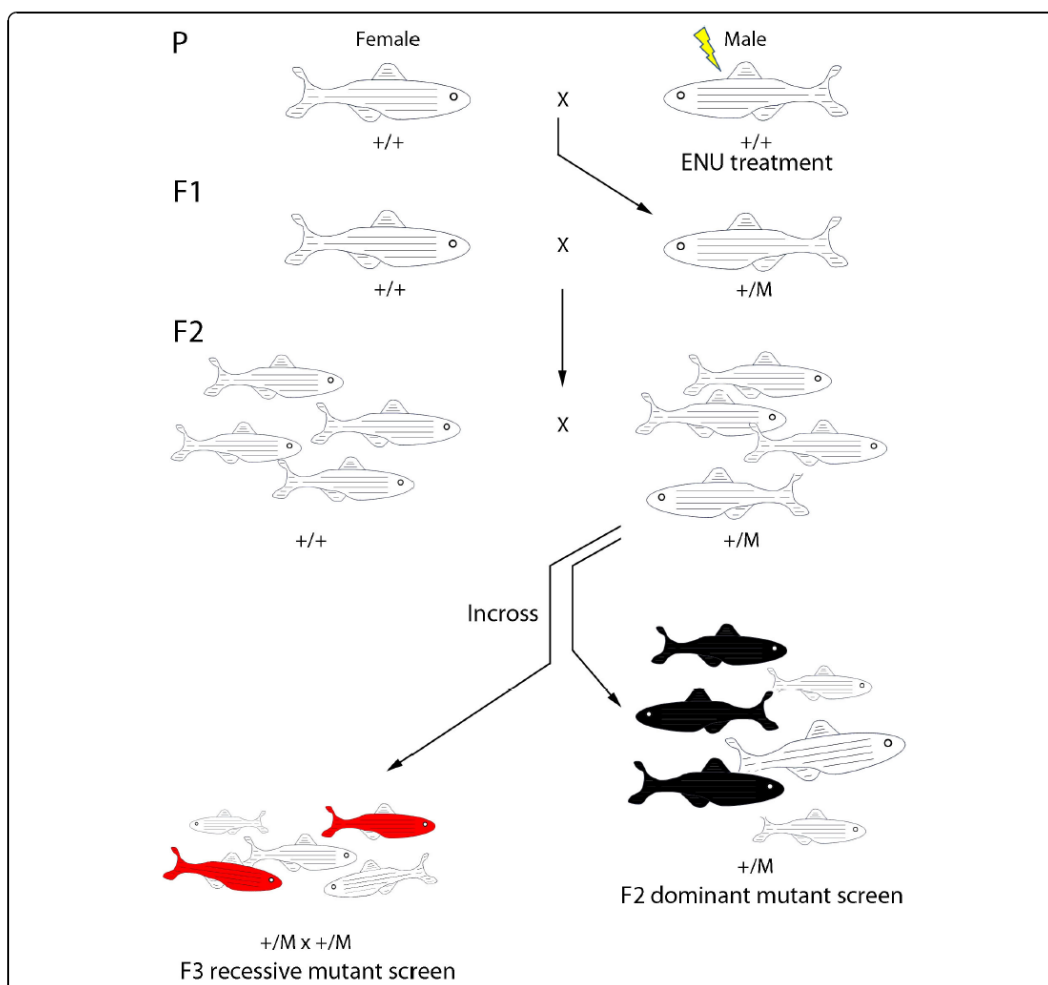
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3) List the main steps involved in astrocyte reaction (astrocytosis/astrogliosis) with a brief description (3p)



- Please describe and comment the following figure related to the induction of genetic mutants in zebrafish (4p)



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